

Title (en)  
POLARIZATION STATE DETECTOR, OPTICAL TRANSMITTER, AND OPTICAL RECEIVER

Title (de)  
POLARISATIONSZUSTANDSDETEKTOR, OPTISCHER SENDER UND OPTISCHER EMPFÄNGER

Title (fr)  
DÉTECTEUR D'ÉTAT DE POLARISATION, ÉMETTEUR OPTIQUE ET RÉCEPTEUR OPTIQUE

Publication  
**EP 2924890 B1 20190522 (EN)**

Application  
**EP 15159911 A 20150319**

Priority  
JP 2014063951 A 20140326

Abstract (en)  
[origin: EP2924890A1] An optical transmitter transmits optical signal including a first signal and a second signal. The second signal is subjected to change in a polarization state relative to a polarization state of the first signal. An optical receiver analyzes a reception characteristic of the second signal and detects, based on the analyzed result, a polarization state of the first signal indicative of a higher signal quality than that of the second signal.

IPC 8 full level  
**H04B 10/077** (2013.01); **H04B 10/2507** (2013.01)

CPC (source: EP US)  
**H04B 10/0779** (2013.01 - EP US); **H04B 10/2572** (2013.01 - EP US); **H04B 10/614** (2013.01 - EP US); **H04B 10/6162** (2013.01 - EP US);  
**H04J 14/06** (2013.01 - EP US)

Citation (examination)  
US 2010098420 A1 20100422 - IBRAGIMOV EDEM [US], et al

Cited by  
EP4020844A1; CN109314579A; EP3447938A4; US10812188B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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US 2015280856 A1 20151001

DOCDB simple family (application)  
**EP 15159911 A 20150319**; JP 2014063951 A 20140326; US 201514666527 A 20150324